

Primer Name	Purpose	Sequence 5'- to 3'-
hps_P1 hps_P2	TOPO cloning hps	CAGTGTACAGGCAAAGAAGGT GGCTTCTTCATCGGCGATT
phi_P1 phi_P2	TOPO cloning phi	AGCAGAACCGGATCTTGTC TGAAGCGGACGAAATCATGA
medh2_P1 medh2_P2	TOPO cloning medh2	CCAAACAACCAAGCATCCA GTCATGACAGCACGAAGATG
mmoC_P1 mmoC_P2	TOPO cloning mmoC	TGGTATGACCGAACACGC TCGGTGGTCACGGTACTTC
mmoG_P1 mmoG_P2	TOPO cloning mmoG	ATGATCGAGCAGCTGGACG GATCATCATCCGGACACG
mmoB_E1 mmoB_E2	Cloning into pET-30 with NdeI/EcoRI	cagctcgatcatATGAGCGTAAACAGCAACG atcgagctggaattcTTAAGCGTGATAGTCTTCGAGC
mmoC_E1 mmoC_E2	Cloning into pET-30 with NdeI/EcoRI	cagctcgatcatATGCAGCGAGTTCACACTATCAC atcgagctggaattcGGTACTTCCCGTTTCAGG
mmoD_E1 mmoD_E2	Cloning into pET-30 with NdeI/EcoRI	cagctcgatcatATGGTCGAATCGGCATTTC atcgagctggaattcTCAATGTTGAAGTCCGCC
mmoX_E1 mmoX_E2	Cloning into pET-30 with NdeI/EcoRI	cagctcgatcatATGGCACTTAGCACCGCAA atcgagctggaattcTCAATTGAATGCCTTCACCG
mmoY_E1 mmoY_E2	Cloning into pET-30 with NdeI/EcoRI	cagctcgatcatATGAGCATGTTAGGAGAAAGACGC atcgagctggaattcTTATTTCAATCTGCCAGAACCG
mmoZ_E1 mmoZ_E2.1	Cloning into pET-30 with NdeI/EcoRI	cagctcgatcatATGGCGAAACTGGGTATACAC atcgagctggaattcTCACGGCGATTGCAGAT
mmoG_E1 mmoG_E2	Cloning into pET-30 with NdeI/EcoRI	cagctcgatcatATGGCAAAGGAAGTGGTTACAG atcgagctggaattcTCAGACCCGCGGATCCT
hps_E1 hps_E2	Cloning into pET-28 with NcoI/EcoRI	cagctcgatccATGGAACCTCAATTAGCTCTAG atcgagctggaattcGCATGCTGATCATAACCCT
phi_E1 phi_E2	Cloning into pET-30 with NdeI/EcoRI	cagctcgatcatATGATCAGCATGCTGACAACCTG atcgagctggaattcCTACTCAAGATTAGCATGTCTCCG
medh2_E1 medh2_E2	Cloning into pET-28 with EcoRI/XhoI	cagctcgatgaattcATGACAAACTCAAAGTGCAAT atcgagctgctcgagCGTCTTTGGCGAATTACATC
mmoG- BioBrick Fwd mmoG- BioBrick Rev	Cloning into pSC1B3 for submitting a BioBrick part	agtgtctacgaattcgcggccgcttctagATGGCAAAGGAAGTGGTTACAG agtgtctacctgcagcgccgctactagtaTCAGACCCGCGGATCCT
hps- BioBrick Fwd hps- BioBrick Rev	Cloning into pSC1B3 for submitting a BioBrick part	agtgtctacgaattcgcggccgcttctagATGGAACCTCAATTAGCTCTCGATTG tacctgcagcgccgctactagtaTCATAACCCTTGTTAACTAATTTATTAATTTTTTC
phi- BioBrick Fwd phi- BioBrick Rev	Cloning into pSC1B3 for submitting a BioBrick part	agtgtctacgaattcgcggccgcttctagATGATCAGCATGCTGACAACCTG agtgtctacctgcagcgccgctactagtaCTACTCAAGATTAGCATGTCTCCGTAC
medh2- BioBrick Fwd medh2- BioBrick Rev	Cloning into pSC1B3 for submitting a BioBrick part	agtgtctacgaattcgcggccgcttctagATGACAAACTCAAAGTGCAATT agtgtctacctgcagcgccgctactagtaTTACATCGCATTTTTAATAATTTGGATGAC
hps_mut1 hps_mut2	Remove XbaI restriction site in hps	CAATTAGCTCTCGATTGG CGAGAGCTAATTGAAGTTCC
hps_mut3 hps_mut4	Remove PstI restriction site in hps	GATGCTGCCGCATATGAAG CGGCAGCATCCATAGTTTTTC

		Explanations
CAPS	Primer part that anneals with DNA Sequence	Point Mutation
small letters	overhang to add restrictions sites	Restriction Site
	Primer contains parts 3' UTR	
	Primer is just binding to BBa_K1390006	